

**Practice Masters Level A****3.3 Solving Two-Step Equations****Solve each equation.**

1.  $6x + 7 = 49$  \_\_\_\_\_ 2.  $5m - 8 = -63$  \_\_\_\_\_

3.  $-27 = 2x + 3$  \_\_\_\_\_ 4.  $8 = \frac{k}{3} + 2$  \_\_\_\_\_

5.  $3x - 6 = 15$  \_\_\_\_\_ 6.  $4n + 8 = 16$  \_\_\_\_\_

7.  $\frac{b}{7} - 8 = 1$  \_\_\_\_\_ 8.  $3f - 12 = 18$  \_\_\_\_\_

9.  $13y + 1 = 27$  \_\_\_\_\_ 10.  $74 = 3z - 10$  \_\_\_\_\_

11.  $2p - 8 = 14$  \_\_\_\_\_ 12.  $9 = \frac{g}{5} - 1$  \_\_\_\_\_

13.  $\frac{h}{4} - 5 = 9$  \_\_\_\_\_ 14.  $27q + 6 = -48$  \_\_\_\_\_

**Write an equation for each situation. Do not solve.**

15. Twice Andy's age plus 3 is 25. How old is Andy? \_\_\_\_\_

16. The number of CDs sold last month was 8 more than 3 times the number of CDs sold this month. Last month, 107 CDs were sold. How many were sold this month? \_\_\_\_\_

17. The perimeter of triangle  $ABC$  is 28 inches. Side  $AB$  is 6 inches long and side  $BC$  is 8 inches long. Find the length of side  $AC$ . \_\_\_\_\_

18. Seven more than the average of 4 numbers is 52. Find the sum of the 4 numbers. \_\_\_\_\_

19. Eleven less than the quotient of a number and 3 is 18. Find the number. \_\_\_\_\_

20. The height of a plant is 8 more inches than twice the height of the plant last month. The plant is 32 inches this month. Find the height of the plant last month. \_\_\_\_\_

21. Jerry is making \$5000 more than 3 times his salary 20 years ago. Jerry made \$71,000 now. How much did he make twenty years ago? \_\_\_\_\_

22. The sum of 9 and the quotient of a number and 5 is 21. Find the number. \_\_\_\_\_